RRB - Model Paper

Note: **Answers are in bold letters**

General Studies & Current Affairs

1. Constitution (73rd Amendment) Act, 1992 makes provisions for a 3-tier system of Panchayati Raj for all the States having population of above__:

    1) 15 Lakh

    2) 20 Lakh

    3) 25 Lakh

    4) 30 Lakh

2. By which among the following amendments of constitution, Delhi was made the National Capital Territory?

    1) 63rd

    2) 69th

    3) 74th

    4) 75th

3. Current sanctioned strength of the Supreme Court of India is __:

    1) 20

    2) 25

    3) 30

    4) **31**

4. The President of India can nominate to how many members to Rajya Sabha and Lok Sabha respectively?

    1) 10, 3

    2) 12, 2

    3) 10, 2

    4) 12, 3

5. Charak was the court physician of

    1) Chandragupta

2) Kanishka

3) Harsha

4) Ashoka

6. Who is the winner of the 2015 Vishnudas Bhave Award?

1) Ashok Saraf

2) Vikram Gokhale

3) Mohan Gokhale

4) Neena Kulkarni

7. Who is the fastest Indian bowler to reach 150-Test wicket landmark?

1) Mohammed Shami

2) Umesh Yadav

3) Bhuvaneshwar Kumar

4) Ravichandran Ashwin

8. Heena Sidhu is related to which sports?

1) Handball

2) Badminton

3) Shooting

4) Archery

9. Which Indian state is set to develop first Mega Tourism Circuit of the country?

1) Himachal Pradesh

2) Kerala

3) Karnataka

4) Gujarat

10. Which Indian state has the highest graduate unemployment rate?

1) Tamil Nadu

2) Mizoram

3) Kerala

4) Punjab

11. Under Indian Gold Coin 2015, what denominations of gold coins are issued?

1) 5, 10 and 15 grams

2) 5, 10 and 20 grams

3) 10, 15 and 20 grams

4) 10, 15 and 25 grams

12. What is the Swachh Bharat cess on services?

1) 0.25%

2) 0.50%

3) 0.75%

4) 1.00%

13. India opted for 'Mixed Economy' in?

1) First Five Year Plan

2) Second Five Year Plan

3) Industrial Policy of 1948

4) Framing of the Constitution

14. The philosophy of 'Laissez-faire' is associated with ?

1) Gandhian State

2) Industrial State

3) Socialist State

4) Welfare State

15. The 2015 Paragliding World Cup (PWC) was held in which state?

1) Assam

2) Himachal Pradesh

3) Uttarakhand

4) Arunachal Pradesh

16. Indus Valley Civilisation became known from excavations at

1) Mohanjodaro

2) Ropar

3) Harappa

4) None of these

17. Depreciation means?

1) Closure of a plant due to labour trouble

2) Destruction of a plant in a fire accident

3) Loss of equipment over time due to wear and tear

4) Closure of a plant due to lock out

18. Which of the following has been named as World's healthiest country?

1) Italy

2) Singapore

3) Australia

4) Switzerlan

19. Short-term finance is usually for a period ranging up to?

1) 6 months

2) 12 months

3) 18 months

4) 24 months

20. Which of the following is correct regarding the Gross Domestic Savings in India?

1) Contribution of Government sector is the largest

2) Contribution of Household sector is the largest

3) Contribution of Corporate sector is the largest

4) Contribution of Corporate sector is the shortest

21. Who founded “MATHAS’ in the four corners of India?

1) Madhavacharya

2) Shankaracharya

3) Bhaskaracharya

4) Ramanujacharya

22. National Institute of Nutrition (NIN) is located in which city?

1) Mumbai

2) Hyderabad

3) Chennai

4) Kolkata

23. Who was the founder of Saka Era?

1) Kanishka

2) Chandragupta Maurya

3) Samudragupta

4) Chandragupta Vikramaditya

24. During the early Vedic period, the society was based on

1) Birth

2) Wealth

3) Religion

4) Occupation

25. Which of the following is the oldest monument?

1) Qutub Minar

2) Ajanta Caves

3) Taj Mahal

4) Khajuraho

26. The god of war of the Rigvedic Aryans was

1) Varuna

2) Indra

3) Mitra

4) Rudra

27. How many types of Pastures is there ?
    1) two
    2) three
    3) four
    4) five
28. In terms of area India is ____ largest area in the world ?
    1) Fifth
    2) Sixth
    3) Seventh
    4) Eighth
29. Biogas majorly contains ?
    1) Ethane
    2) Methane
    3) Hydrogen
    4) CO

30. Which is the longest continental mountain range in the world ?
    1) The Andes
    2) The Alps
    3) The Rockies
    4) The Himalayas
31. The metallurgical process in which a metal is obtained in a fused state is called ?
    1) roasting
    2) calcinations
    3) smelting
    4) froth floatation

32. Solar cell converts..?
    1) Sound energy into electrical energy
    2) Electrical energy into mechanical energy
    3) Solar energy into electrical energy
    4) Electrical energy into light energy
33. The metal that is used as a catalyst in the hydrogenation of oils is ?
    1) Pb
    2) Ni
    3) Cu
    4) Pt
34. The most abundant element in the earth's crust is..?

1) Aluminium
2) Nitrogen
3) Silicon
4) oxygen

35. If lift is going up with acceleration, the apparent weight of a body is….?
1) may be more or less than true weight
2) equal to the true weight
3) less than the true weight
4) more than the true weight

36. Which of the primary component of natural gas?
1) Ethane
2) Propane
3) Methane
4) Butane

37. The metal used to recover copper from a solution of copper sulphate is ?
1) Na
2) Ag
3) Hg
4) Fe

38. Which gas is used in fire extinguishers ?
1) Carbon dioxide
2) Nitrogen oxide
3) Carbon monoxide
4) Sulpher dioxide

39. The metallurgical process in which a metal is obtained in a fused state is called ?
1) roasting
2) calcinations
3) smelting
4) froth floatation

40. Which of the following is produced during the formation of photochemical smog ?
1) Nitrogen Oxides
2) Hydrocarbons
3) Methane
4) Ozone

41. Which of the primary component of natural gas?
1) Ethane
2) Propane
3) Methane

4) Butane

42. The metal used to recover copper from a solution of copper sulphate is ?
1) Na
2) Ag
3) Hg
4) Fe

43. Which gas is used in fire extinguishers ?
1) Carbon dioxide
2) Nitrogen oxide
3) Carbon monoxide
4) Sulpher dioxide

44. Where do you find day and night equal ?
1) at the equator
2) at the north pole
3) at the tropics
4) at the south pole

45. Kalahari desert is in ?
1) Chile
2) Saudi Arabia
3) India
4) South Africa

46. Energy posses by a body in motion is called…..?
1) Kinetic Energy
2) Potential Energy
3) Both of Above
4) None of Above

47. Electric Motor converts….?
1) Electrical energy into mechanical energy
2) Mechanical energy into Electrical energy
3) Electrical energy into light energy
4) None of above

48. Which of the following is produced during the formation of photochemical smog ?
1) Nitrogen Oxides
2) Hydrocarbons
3) Methane
4) Ozone

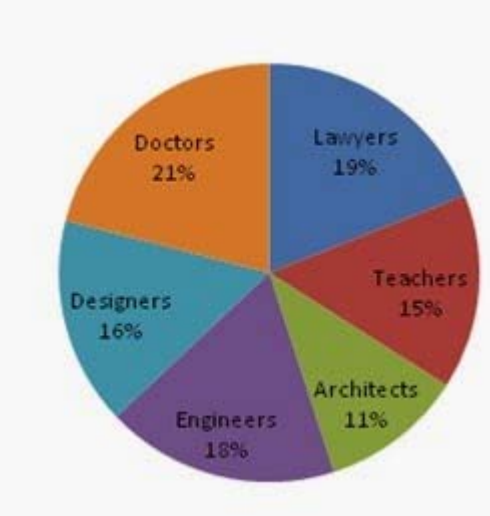
49. Which of the following gas is used in cigarette lighters ?
1) Butane
2) Propane

3) Methane
4) Ethane

50. The nuclear particles which are assumed to hold the nucleons together are ?
1) positrons
2) neutrons
3) electrons
4) mesons

NUMERICAL ABILITY

Direction (51-55) : Study the following Pie-chart carefully and answer the questions given below:
Survey Conducted on 21000 people to find out various Professionals in the town and percentage of Female Professionals amongst them Various Professionals = 21000



Profession	% of Females
Lawyers	40
Teachers	80
Architects	40
Engineers	60
Designers	35
Doctors	20

51. What is the ratio of the number of male Architects to the number of male Teachers in the town?

1) **11 : 5**
2) 3 : 2
3) 5 : 11
4) 2 : 3

52. Female Doctors are what percent of total number of male and female professionals in the town?

1) **4.2**

2) 2.8

3) 1.5

4) 3.5

53. What is the difference between the total number of male and female professionals in the town?

1) 2568

2) **2268**

3) 2108

4) 2328

54. The total number of Lawyers in town is approximately what percent of doctors in the town?

1) 95

2) 98

3) **90**

4) 85

55. What is the ratio of total number of male Engineers and Designers to the female professionals in the town?

1) 41 : 44

2) 55 : 53

3) **88: 223**

4) 31 : 35

56. The curved surface area of a right circular cylinder whose radius is a units and height is b units, is equal to

1) 2 sq.cm

2) 2π a^2 b sq.cm

3) 2π sq.cm

4) **2πab sq.cm**

57. The ratio of the respective height and the respective radii of two cylinders are 1:2 and 2:1 respectively then the respective volumes are in the ratio

1) 2:1

2) 1:4

3) 1:2

4) 4:1

58. If the volume of a sphere is π cu.cm , then its radius is

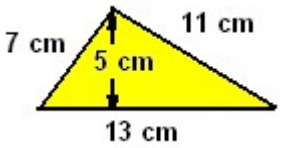
1) 3/2 cm

2) 2/3 cm

3) 3/4cm

4) 4/3 cm

59. Find the area of the triangle shown.



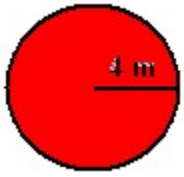
1) 32.5 cm^2

2) 45.5 cm^2

3) 65 cm^2

4) 71.5 cm^2

60. Find the area of the circle shown.



1) 16 cm^2

2) 25 cm^2

3) 50 cm^2

4) 100 cm^2

61. A train is running at a speed of 40 km/hr and it crosses a post in 18 seconds. What is the length of the train?

    1) 120

    2) 160

    3) 180

    4) 200

62. P can lay railway track between two stations in 16 days. Q can do the same job in 12 days. With the help of R, they complete the job in 4 days. How much days does it take for R alone to complete the work?

    1) 9(3/5) days

    2) 9(2/5) days

    3) 9(1/5) days

    4) 9(4/5) days

63. A man completes a journey in 10 hours. He travels first half of the journey at the rate of 21 km/hr and second half at the rate of 24 km/hr. Find the total journey in km.

    1) 212

    2) 224

    3) 265

    4) 254

64. There are two buildings P and Q. If 15 persons are sent from P to Q, then the number of persons in each building is the same. If 20 persons are sent from Q to P, then the number of persons in P is double the number of persons in Q. How many persons are there in building P?

    1) 80

    2) 110

    3) 120

    4) 140

65. A grocer has a sale of Rs. 6435, Rs. 6927, Rs. 6855, Rs. 7230 and Rs. 6562 for 5 consecutive months. How much sale must he have in the sixth month so that he gets an average sale of Rs. 6500?

    1) 4550

2) 4009

3) 4991

4) 4561

66. Speed of a boat in standing water is 14 kmph and the speed of the stream is 1.2 kmph. A man rows to a place at a distance of 4864 km and comes back to the starting point. The total time taken by him is:

1) 700 hours

2) 750 hours

3) 1400 hours

4) 1350 hours

67. In a dairy farm, 40 cows eat 40 bags of husk in 40 days. In how many days one cow will eat one bag of husk?

1) 26

2) 35

3) 40

4) 25

68. 7212 + 15.231 - ? = 6879

1) 359.022

2) 362.02

3) 328.221

4) 348.231

69. What is the least number which when divided by 5, 6, 7 and 8 leaves a remainder 3, but when divided by 9 leaves no remainder?

1) 1693

2) 1683

3) 1673

4) 1693

70. Two vessels A and B contain spirit and water in the ratio 5: 2 and 7: 6 respectively. Find the ratio in which these mixture be mixed to obtain a new mixture in vessel C containing spirit and water in the ration 8: 5?

1) 3: 4

2) 4: 3

3) 9: 7

4) 7: 9

71. $\{(481 + 426)^2 - 4 \times 481 \times 426\} = ?$

1) 3025

2) 4025

3) 3250

4) 5625

72. If 20% of a = b, then b% of 20 is the same as:

1) 10 % of a

2) 20 % of a

3) 4 % of a

4) 15 % of a

73. Two pipes A and B together can fill a cistern in 4 hours. Had they been opened separately, then B would have taken 6 hours more than A to fill the cistern. How much time will be taken by A to fill the cistern separately?

1) 2 hours

2) 4 hours

3) 6 hours

4) 8 hours

74. The percentage profit earned by selling an item for Rs. 1920 is equal to the percentage loss incurred by selling the same item for Rs. 1280. At what price should the item be sold to make 25% profit?

1) 2000

2) 2500

3) 2300

4) None of these

75. Find the odd man out. 187, 264, 386, 473, 682, 781

1) 187

2) 386

3) 781

4) 682

General intelligence

76. Find the odd one from the following

1) RAM

2) Flash Memory

3) Hard Disc

4) Floppy

77. Find the odd one from the following

1) Carrot

2) Potato

3) Tomoto

4) ginger

78. 9 : 80 : : 100 : ?

1) 901

2) 1009

3) 9999

4) 1099

79. 8 : 81 :: 64 : ?

1) 625

2) 135

3) 225

4) 144

80. NATION : ANTINO :: HUNGRY : ?

1) HNUGRY

2) UHNGYR

3) YRNGUH

4) UNHGYR

81. Divya's father, pointing towards a person, said, "He is the brother of my father's only sibling". How is the person related to Divya ?

1) Father

2) **Grandfather**

3) Nephew

4) Uncle

82. If in a certain language, TRIANGLE is coded as SQHZMFKD, which word would be coded as DWZLOKD?

1) EXAMPLE

2) FIGMENT

3) DISMISS

4) DISJOIN

83. If 18th February, 2005 falls on Friday then what will be the day on 18th February, 2007?

1) Monday

2) Wednesday

3) Friday

4) Sunday

84. In a row of 40 boys, Sathish was shifted 10 places to the right of Rohan and Kewal was shifted 10 places to the left of Vilas. If Vilas was twenty sixth from the left and there were three boys between Kewal and Sathish was shifting, what was the position of Rohan in the row?

1) 10th from the right end

2) 10th from the left end

3) 39th from the right end

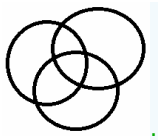
4) Data inadequate

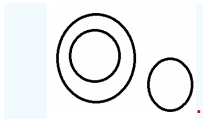
85. Starting from a point P, sachin walked 20 metres towards South. He turned left and walked 30 metres. He then turned left and walked 20 metres . He again turned left and

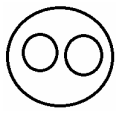
walked 40 metres and reached a point Q . How far and in which direction in the point Q from the point P?

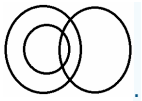
1) 20 m west
2) 10 m east
3) **10 m north**
4) None of these

86. Which of the following relation shows among Boys, Students, Athletes.









87. Which one of the given responses would be a meaningful order of the following words?

1. Poverty 2. Population 3. Death 4. Unemployment 5. Disease

1) **2,4,1,5,3**
2) 2,3,4,5,1
3) 1,4,3,2,5
4) 1,4,3,2,5

88. A boy rode his bicycle northwards, then turned left and rode one km and again turned left and rode 2 km. He found himself exactly one km west of his starting point. How far did he ride northwards initially?

1) 1 km
2) 2 km
3) **3 km**
4) 5 k

89. If P denotes +, Q denotes *, R denotes / and S denotes -, then 18 Q 12 P 4 R 5 S 6 = ?

1) 36

2) 53

3) 59

4) 65

90. P @ Q means P is neither greater than nor equal to Q.

P # Q means P is not less than Q.

P $ Q means P is neither greater than nor less than Q.

P © Q means P is not greater than Q.

P % Q means P is neither lesser than nor equal to Q.

Statements: T $ X, X # W, W @ Y, Y % Z.

Conclusions: I. T % W

II. X @ Y

III. Z % W

Only I follows

Only II follows

Only III follows

Both I and II follows

91. JAK, KBL, LCM, MDN, _____

1) OEP

2) NEO

3) MEN

4) PFQ

92. E, J, O, T, Y, __

1) D

2) Z

3) C

4) E

93. 8 12 9 13 10 14 11__

1) 11

2) 15

3) 8

4) 19

94. 225, 196, 169, __, 121, 100, 81

1) 156

2) 144

3) 136

4) 125

95. Choose the alternative which most closely resembles the mirror-image of the given combination.

REASONING

1) ЯЕАЅОИІИG

2) GNINOSAER

3) GNINOSAER

4) ЯƎAƧOИIИG

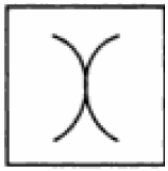
1) 1

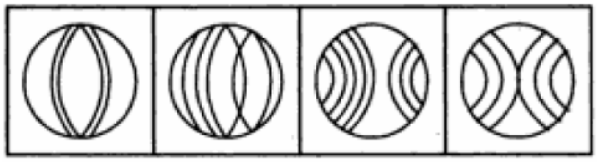
2) 2

3) 3

4) 4

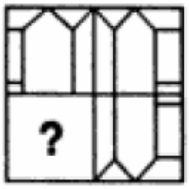
96. Below Figure is embedded in any of the four alternative figures. Find the alternative which contains fig.





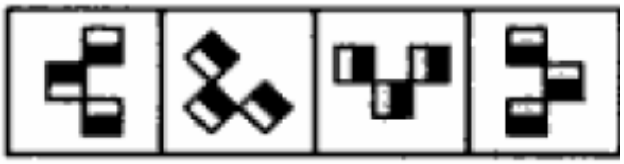
1) 2) 3) **4)**

97. Select a figure from the four alternatives, which when placed in the blank space of fig.



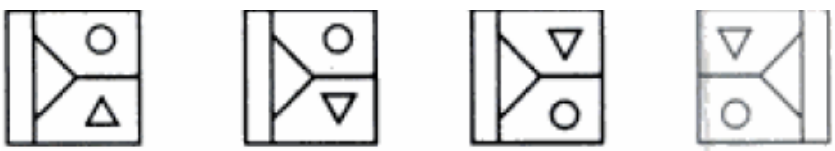
1) 2) **3)** 4)

98. Choose the figure which is different from the rest.



1) 2) 3) 4)

99. Choose the correct water - image of the fig from the given four figures.



1) **2)** 3) 4)

100. Statements: Some actors are singers.

All the singers are dancers.

Conclusions: 1. some actors are dancers.

2. No singer is actor.

1) **Only (1) conclusion follows**
2) Only (2) conclusion follows
3) Either (1) or (2) follows
4) Neither (1) nor (2) follows